

Title (en)  
LUBRICANT FOR REFRIGERATING MACHINE WITH THE USE OF AMMONIA REFRIGERANT

Title (de)  
SCHMIERMITTEL FÜR KÄLTEMASCHINE MIT AMMONIAK ALS KÜHLMITTEL

Title (fr)  
LUBRIFIANT POUR MACHINE A FROID A L'AMMONIAC

Publication  
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Application  
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Abstract (en)  
To provide a polyalkylene glycol-based refrigerant oil for refrigerators using ammonia as a refrigerant. The present invention provides a lubricant for refrigerators using ammonia refrigerant, comprising polyethers selected from the group consisting of a polyether represented by the following general formula (1)  $X-\ddot{O}-(AO)_n-H$  (wherein X is a residue of a monool or polyol from which a hydroxyl group is eliminated; (AO)<sub>n</sub> is a polyoxyalkylene group formed by copolymerization of EO and an AO having 3 or more carbon atoms; n is 2 or more; and p is a valence of X) and having 50% or more of secondary hydroxyl groups among the hydroxyl groups located at the terminal of the structure based on the total hydroxyl groups, or a polyether represented by the following general formula (2)  $X-\ddot{O}-(AO_{<1>})_a-(AO_{<2>})_b-H$  (wherein X is a residue of a monool or polyol from which a hydroxyl group is eliminated; (AO<sub><1></sub>)<sub>n</sub> is a polyoxyalkylene group formed by copolymerization of ethylene oxide and propylene oxide and/or butylene oxide; AO<sub><2></sub> is an oxyalkylene group having 3 or more carbon atoms; a is 2 or more; b is 1 or more; and p is a valence of X).

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